

WEST Search History

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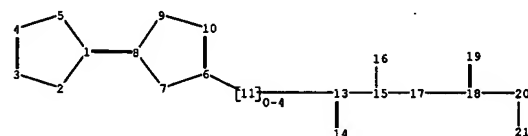
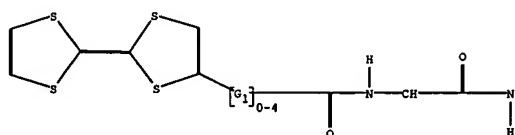
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DATE: Sunday, June 18, 2006

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<input type="checkbox"/>	L10	L7 same amino acid	4
<input type="checkbox"/>	L7	tetrathiafulvalen\$	859
<input type="checkbox"/>	L6	L2 and liquid crystal\$	5
<input type="checkbox"/>	L5	L2 same liquid crystal\$	1
<input type="checkbox"/>	L2	gelling agent same amino acid	204

END OF SEARCH HISTORY



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chain nodes :
  11  13  14  15  16  17  18  19  20  21
ring nodes :
  1  2  3  4  5  6  7  8  9  10
chain bonds :
  1-8  6-11  11-13  13-14  13-15  15-16  15-17  17-18  18-19  18-20  20-21
ring bonds :
  1-2  1-5  2-3  3-4  4-5  6-7  6-10  7-8  8-9  9-10
exact/norm bonds :
  1-2  1-5  2-3  3-4  4-5  6-7  6-10  6-11  7-8  8-9  9-10  11-13  13-14
  13-15  15-17  18-19  18-20
exact bonds :
  1-8  15-16  17-18  20-21
  
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G1:C,O,S,N,P,Si

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Match level :
  1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom
 10:Atom 11:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
 18:CLASS 19:CLASS 20:CLASS 21:CLASS
  
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AN 2005:362101 CAPLUS
 DN 142:439101
 ED Entered STN: 28 Apr 2005
 TI Gelling agents, manufacture of gelling agents, liquid crystal compositions, and charge-transfer complexes
 IN Kato, Takashi; Kitamura, Akira; Mizoshita, Tomohiro; Tochigi, Yusuke
 PA JSR Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 18 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM C09K003-00
 ICS C07D339-06; C09K019-12; C09K019-54
 CC 75-11 (Crystallography and Liquid Crystals)
 Section cross-reference(s): 28

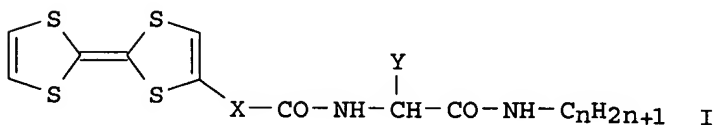
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2005112951	A2	20050428	JP 2003-347203	20031006
PRAI	JP 2003-347203		20031006		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 2005112951	ICM	C09K003-00
	ICS	C07D339-06; C09K019-12; C09K019-54
	IPCI	C09K0003-00 [ICM,7]; C07D0339-06 [ICS,7]; C07D0339-00 [ICS,7,C*]; C09K0019-12 [ICS,7]; C09K0019-10 [ICS,7,C*]; C09K0019-54 [ICS,7]
	IPCR	C07D0339-00 [I,C*]; C07D0339-06 [I,A]; C09K0003-00 [I,A]; C09K0003-00 [I,C*]; C09K0019-10 [I,C*]; C09K0019-12 [I,A]; C09K0019-54 [I,A]; C09K0019-54 [I,C*]
	FTERM	4C023/NA07; 4H027/BA01; 4H027/BA03; 4H027/BD03; 4H027/BD24; 4H027/CD04

OS MARPAT 142:439101
 GI



AB The title gelling agents are functional amino acids compounded by tetrathiafulvalene groups (I: X = single or divalent organic bonding; Y = monovalent organic bonding; n =8-18) and are manufactured by reacting tetrathiafulvalene derivs. and amino acid derivs. in a mixed solvent containing 1-ethyl-3-(3-dimethylaminopropyl)carbodiimide salts and 4-(N,N-dimethylamino)pyridine. The charge transfer complexes as the gelling agents are applicable to gelation of fibrous mol. ensembles to new liquid crystal compns.

ST amino acid tetrathiafulvalene gelling agent transfer complex liq crystal

IT Ensembles
 Gelation
 Gelation agents
 Liquid crystals
 (tetrathiafulvalene-substd. amino acid gelling agents and manufacture of gelling agents and liquid crystal compns. and charge-transfer complexes)

IT Charge transfer complexes
 RL: PNU (Preparation, unclassified); PRP (Properties); PREP (Preparation)

(tetrathiafulvalene-substd. amino acid gelling agents and manufacture of gelling agents and liquid crystal compns. and charge-transfer complexes)

IT 1518-16-7, Tetracyanoquinodimethane 7553-56-2, Iodine, uses 7726-95-6, Bromine, uses
 RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
 (charge-transfer complex compound with; tetrathiafulvalene-substd. amino acid gelling agents and manufacture of gelling agents and liquid crystal compns. and charge-transfer complexes)

IT 850728-15-3P 850728-16-4P
 RL: PNU (Preparation, unclassified); PRP (Properties); PREP (Preparation)
 (gelation agent; tetrathiafulvalene-substd. amino acid gelling agents and manufacture of gelling agents and liquid crystal compns. and charge-transfer complexes)

IT 52364-72-4, 4-Heptyloxy-4'-cyanobiphenyl
 RL: PRP (Properties)
 (liquid crystal compound mixture; tetrathiafulvalene-substd. amino acid gelling agents and manufacture of gelling agents and liquid crystal compns. and charge-transfer complexes)

IT 52709-84-9, 4-Octyl-4'-cyanobiphenyl
 RL: PRP (Properties)
 (liquid crystal compound; tetrathiafulvalene-substd. amino acid gelling agents and manufacture of gelling agents and liquid crystal compns. and charge-transfer complexes)

IT 70247-25-5, 4-Decyloxy-4'-cyanobiphenyl
 RL: PRP (Properties)
 (tetrathiafulvalene-substd. amino acid gelling agents and manufacture of gelling agents and liquid crystal compns. and charge-transfer complexes)

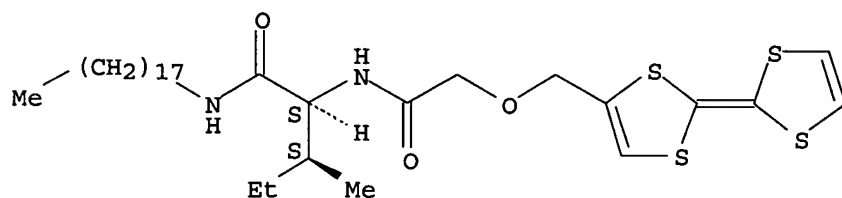
IT 63822-38-8 260247-44-7 733742-40-0
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (tetrathiafulvalene-substd. amino acid gelling agents and manufacture of gelling agents and liquid crystal compns. and charge-transfer complexes)

IT 850728-15-3P 850728-16-4P
 RL: PNU (Preparation, unclassified); PRP (Properties); PREP (Preparation)
 (gelation agent; tetrathiafulvalene-substd. amino acid gelling agents and manufacture of gelling agents and liquid crystal compns. and charge-transfer complexes)

RN 850728-15-3 CAPLUS

CN Pentanamide, 2-[[[2-(1,3-dithiol-2-ylidene)-1,3-dithiol-4-yl]methoxy]acetyl]amino]-3-methyl-N-octadecyl-, (2S,3S)- (9CI) (CA INDEX NAME)

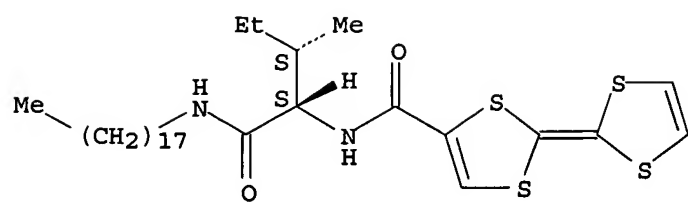
Absolute stereochemistry.



RN 850728-16-4 CAPLUS

CN 1,3-Dithiole-4-carboxamide, 2-(1,3-dithiol-2-ylidene)-N-[(1S,2S)-2-methyl-1-[(octadecylamino)carbonyl]butyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



AN 2005:1051116 CAPLUS
 DN 144:15152
 ED Entered STN: 02 Oct 2005
 TI Electroactive Supramolecular Self-Assembled Fibers Comprised of Doped
 Tetrathiafulvalene-Based Gelators
 AU Kitamura, Tetsu; Nakaso, Suguru; Mizoshita, Norihiro; Tochigi, Yusuke;
 Shimomura, Takeshi; Moriyama, Masaya; Ito, Kohzo; Kato, Takashi
 CS Department of Chemistry and Biotechnology, School of Engineering,
 University of Tokyo, Tokyo, 113-8656, Japan
 SO Journal of the American Chemical Society (2005), 127(42), 14769-14775
 CODEN: JACSAT; ISSN: 0002-7863
 PB American Chemical Society
 DT Journal
 LA English
 CC 76-14 (Electric Phenomena)
 Section cross-reference(s): 73, 75
 AB New electroactive supramol. fibers were formed by self-assembly of the
 derivs. of tetrathiafulvalene (TTF) in liquid crystals. These derivs. are
 designed and prepared by introducing the TTF moiety to the scaffold derived
 from amino acids such as L-isoleucine whose derivs. function as
 organogelators. These TTF-based gelators form stable fibrous aggregates
 in liquid crystals. These fibers are the 1st example of hydrogen-bonded
 1-dimensional aggregates having electroactive moieties whose elec.
 conductivities were measured after doping. Their electronic states also
 were characterized by spectroscopic methods. Unidirectionally aligned
 fibers are formed in the oriented liquid crystal solvents on the rubbed
 polyimide surface for further functionalization of the fibers.
 ST electroactive supramol self assembled fiber doped tetrathiafulvalene
 gelator
 IT Electric conductors
 (electroactive fibers; electroactive supramol. self-assembled fibers
 comprised of doped tetrathiafulvalene-based gelators)
 IT Aggregates
 Atomic force microscopy
 Electric conductivity
 Electric current-potential relationship
 Electronic state
 IR spectra
 Liquid crystals
 Phase transition
 Self-assembly
 UV and visible spectra
 (electroactive supramol. self-assembled fibers comprised of doped
 tetrathiafulvalene-based gelators)
 IT 73-32-5, L-Isoleucine, properties 31366-25-3, Tetrathiafulvalene
 RL: PRP (Properties); RCT (Reactant); RACT (Reactant or reagent)
 (electroactive supramol. self-assembled fibers comprised of doped
 tetrathiafulvalene-based gelators)
 IT 850728-15-3P 850728-16-4P 869965-24-2P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (electroactive supramol. self-assembled fibers comprised of doped
 tetrathiafulvalene-based gelators)
 IT 68128-93-8, 4-(Hydroxymethyl)tetrathiafulvalene 733742-40-0
 869965-27-5
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (electroactive supramol. self-assembled fibers comprised of doped
 tetrathiafulvalene-based gelators)
 IT 40817-08-1 869965-25-3 869965-26-4
 RL: FMU (Formation, unclassified); PRP (Properties); FORM (Formation,
 nonpreparative)
 (liquid crystals; electroactive supramol. self-assembled fibers comprised
 of doped tetrathiafulvalene-based gelators)
 RE.CNT 60 THERE ARE 60 CITED REFERENCES AVAILABLE FOR THIS RECORD
 RE

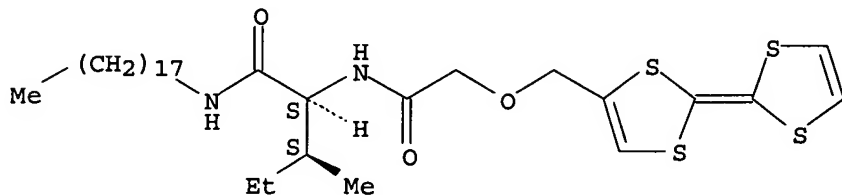
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IT 850728-15-3P 850728-16-4P 869965-24-2P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (electroactive supramol. self-assembled fibers comprised of doped
 tetrathiafulvalene-based gelators)

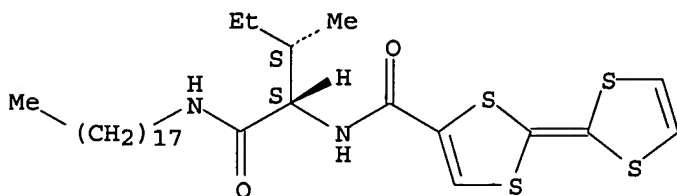
RN 850728-15-3 CAPLUS
 CN Pentanamide, 2-[[[2-(1,3-dithiol-2-ylidene)-1,3-dithiol-4-yl]methoxy]acetyl]amino]-3-methyl-N-octadecyl-, (2S,3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 850728-16-4 CAPLUS
 CN 1,3-Dithiole-4-carboxamide, 2-(1,3-dithiol-2-ylidene)-N-[(1S,2S)-2-methyl-1-[(octadecylamino)carbonyl]butyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 869965-24-2 CAPLUS
 CN Butanamide, N,N'-1,12-dodecanediylbis[2-[[[2-(1,3-dithiol-2-ylidene)-1,3-dithiol-4-yl]methoxy]acetyl]amino]-3-methyl-, (2S,2'S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

